

560361 - further Research

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State
Lead

EPA 0890050001		POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 1 - SITE INFORMATION		I. IDENTIFICATION 01 SITE NAME (Legal, common, or descriptive name of site) 148 9892-8811	
II. SITE NAME AND LOCATION					
01 SITE NAME (Legal, common, or descriptive name of site) AURORA MUNICIPAL LANDFILL - AKA: AURORA CITY DUMP, FOX VALLEY DISPOSAL		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER ROUTE 25 + EAST SULLIVAN ROAD			
03 CITY AURORA		04 STATE IL	05 ZIP CODE 60504	06 COUNTY KANE	07 COUNTY CODE 089
08 COORDINATES LATITUDE 41 47 28.0 LONGITUDE 88 18 50.0		09 COUNTY DIST 15 AURORA NORTH (7.5) QUAD			
10 DIRECTIONS TO SITE (Starting from nearest public road) FROM THE EAST-WEST TOLLWAY, SOUTH ON ROUTE 31 APPROXIMATELY 2 MILES TO INDIAN TRAIL ROAD, EAST ACROSS THE FOX RIVER, NORTH ON ROUTE 25 ABOUT 1 MILE TO SULLIVAN ROAD, EAST ABOUT 300 FEET TO ENTRANCE.					
III. RESPONSIBLE PARTIES					
01 OWNER (If known) CITY OF AURORA		02 STREET (Business, mailing, residential) 44 EAST DOWNER PLACE			
03 CITY AURORA		04 STATE IL	05 ZIP CODE 60506	06 TELEPHONE NUMBER 312 892-8811	
07 OPERATOR (If known and different from owner) FOX VALLEY DISPOSAL CO.		08 STREET (Business, mailing, residential) 1565 AURORA AVENUE			
09 CITY AURORA		10 STATE IL	11 ZIP CODE 60506	12 TELEPHONE NUMBER 312 892-8981 892-8271	
13 TYPE OF OWNERSHIP (Check one) <input type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL: _____ (Agency name) <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input checked="" type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER: _____ (Specify) <input type="checkbox"/> G. UNKNOWN					
14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply) <input type="checkbox"/> A. RCRA 3001 DATE RECEIVED: _____ MONTH DAY YEAR <input type="checkbox"/> B. UNCONTROLLED WASTE SITE (RCRA 103 c) DATE RECEIVED: _____ MONTH DAY YEAR <input checked="" type="checkbox"/> C. NONE					
IV. CHARACTERIZATION OF POTENTIAL HAZARD					
01 ON SITE INSPECTION <input checked="" type="checkbox"/> YES DATE 8/3/86 MONTH DAY YEAR <input type="checkbox"/> NO 6/2/81		BY (Check all that apply) <input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input checked="" type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify) CONTRACTOR NAME(S): _____			
02 SITE STATUS (Check one) <input type="checkbox"/> A. ACTIVE <input checked="" type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		03 YEARS OF OPERATION BEGINNING YEAR 1961 ENDING YEAR 1976 <input type="checkbox"/> UNKNOWN			
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED GENERAL REFUSE, HOUSEHOLD CHEMICALS, INDUSTRIAL WASTES, COMMERCIAL WASTES, DEMOLITION WASTES.					
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION GROUNDWATER (POPULATION/ENVIRONMENT) SURFACE WATER (POPULATION/ENVIRONMENT)					
V. PRIORITY ASSESSMENT					
01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents) <input type="checkbox"/> A. HIGH (Inspection required promptly) <input checked="" type="checkbox"/> B. MEDIUM (Inspection required) <input type="checkbox"/> C. LOW (Inspect on time available basis) <input type="checkbox"/> D. NONE (No further action needed, complete current disposition form)					
VI. INFORMATION AVAILABLE FROM					
01 CONTACT COMMISSIONER OF STREETS & CITY OF AURORA		02 OF (Agency/Organization) 44 EAST DOWNER PLACE		03 TELEPHONE NUMBER 312 892-8811	
04 PERSON RESPONSIBLE FOR ASSESSMENT KENNETH W. CORKILL		05 AGENCY IEPA	06 ORGANIZATION RPM'S	07 TELEPHONE NUMBER 217 782-6761	08 DATE 12.10.87 MONTH DAY YEAR

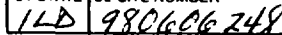
EPA FORM 2070-12 (7-81)

00844 TW

EPA Region 5 Records Ctr.



291520



I HIGHLY VOLATILE
J EXPLOSIVE
K REACTIVE
L INCOMPATIBLE
M NOT APPLICABLE

EPA FORM 2070-12 (7-81)



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

1LD 980606248

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A GROUNDWATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: 42934

02 ☒ OBSERVED (DATE 3-17-66)

04 NARRATIVE DESCRIPTION

POTENTIAL

ALLEGED

WITH THE AREA GEOLOGY BEING OF FRACTURED LIMESTONE OVERLAIN BY SANDY MATERIAL & UNCONSOLIDATED TILL GROUNDWATER CONTAMINATION IS POSSIBLE IN A WIDE AREA. THE IMMEDIATE AREA WEST OF THE SITE HAS BEEN FOUND TO BE CONTAMINATED.

01 ☒ B SURFACE WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: 0

02 ☒ OBSERVED (DATE 1966)

04 NARRATIVE DESCRIPTION

POTENTIAL

ALLEGED

A NUMBER OF LEACHATE SEEPS RUN FROM THE SITE SLOPES TO LOW AREAS AROUND THE PERIMETER. IN 1966 A DITCH WAS DUG ON THE NORTH SIDE OF THE SITE WHICH DRAINED TO A NO NAME CREEK WHICH FLOWED TO THE FOX RIVER. THERE ARE NO KNOWN SURFACE INTAKES WITHIN 2 MILES DOWNSTREAM OF THE SITE.

01 ☒ C CONTAMINATION OF AIR

03 POPULATION POTENTIALLY AFFECTED: 0

02 ☒ OBSERVED (DATE 9-15-66)

04 NARRATIVE DESCRIPTION

POTENTIAL

ALLEGED

OPEN BURNING OF REFUSE OCCURED IN THE MID TO LATE 60'S. VARIOUS EVENTS WERE NOTED DURING INSPECTIONS. (TEE-PEE TYPE INCINERATOR WAS USED PLUS THE OPEN BURNING AT VARIOUS LOCATIONS ON-SITE). BURNING HAS NOT OCCURED SINCE THE EARLY 70'S.

01 ☐ D FIRE/EXPLOSIVE CONDITIONS

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE _____)

04 NARRATIVE DESCRIPTION

POTENTIAL

ALLEGED

01 ☐ E DIRECT CONTACT

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE _____)

04 NARRATIVE DESCRIPTION

POTENTIAL

ALLEGED

01 ☒ F CONTAMINATION OF SOIL

03 AREA POTENTIALLY AFFECTED: SITE OCCUPIED 20A. (Acres)

02 ☐ OBSERVED (DATE _____)

04 NARRATIVE DESCRIPTION

POTENTIAL

ALLEGED

HOUSEHOLD CHEMICAL WASTES ARE MOST LIKELY IN THE LANDFILL. THESE CONSTITUENTS HAVE THE POSSIBILITY OF CONTAMINATING THE SOIL.

01 ☒ G DRINKING WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: 570

02 ☒ OBSERVED (DATE 3-17-66)

04 NARRATIVE DESCRIPTION

POTENTIAL

ALLEGED

THERE IS POTENTIAL FOR CONTAMINATION, HOWEVER MOST PUBLIC WATER SERVICE WELLS ARE WELL BELOW THE 150 FOOT ZONE. GENERALLY THESE WELLS ARE AT A DEPTH OF 1100 FEET TO 2300 FEET. HOWEVER PRIVATE WELLS TO THE WEST OF THE SITE HAVE BEEN FOUND TO CONTAIN CONTAMINANTS. RURAL RESIDENTS TO THE NORTH, EAST & SOUTH WITH SHALLOW PRIVATE WELLS ARE SUSCEPTABLE TO CONTAMINATION.

01 ☐ H WORKER EXPOSURE/INJURY

03 WORKERS POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE _____)

04 NARRATIVE DESCRIPTION

POTENTIAL

ALLEGED

01 ☐ I POPULATION EXPOSURE/INJURY

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE _____)

04 NARRATIVE DESCRIPTION

POTENTIAL

ALLEGED



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

LD 980606248

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (Include name(s) of species)

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES
(Spills, runoff, standing liquids, leaking drums)

02 ☒ OBSERVED (DATE: VARIOUS)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: 30

04 NARRATIVE DESCRIPTION OCCASIONAL FROM

LEACHATE HAS BEEN NOTICED ON VARIOUS INSPECTIONS TO BE EITHER PENDED
OR RUNNING FROM THE SITE.

01 ☐ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

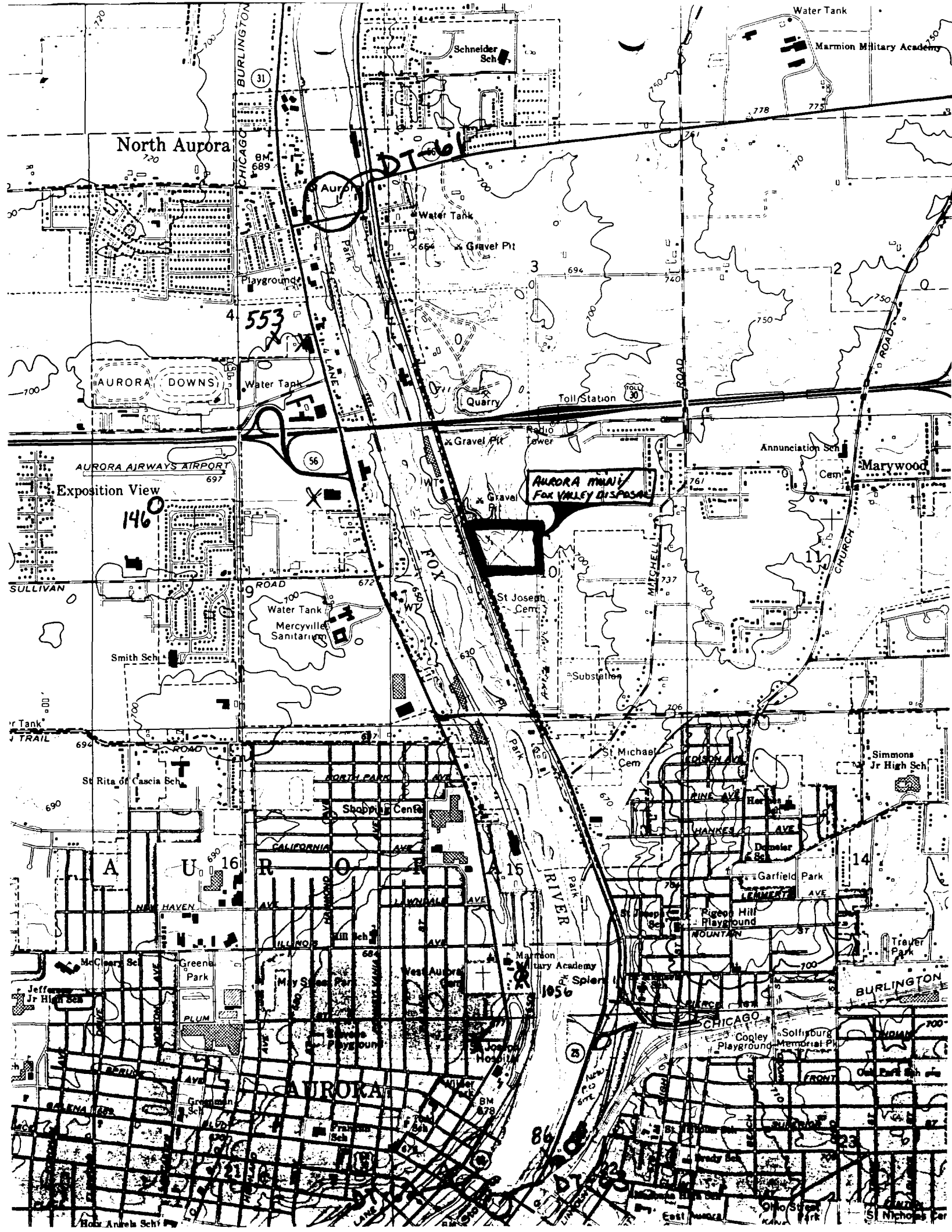
III. TOTAL POPULATION POTENTIALLY AFFECTED: 42,934

IV. COMMENTS

GROUNDWATER FLOW AT THE SITE IS TOWARD THE FOX RIVER. CONTAMINANTS
ARE CARRIED WEST FROM THE LAND FILL, AFFECTING THE 7 RESIDENCES
WEST OF THE LANDFILL. IT IS THOUGHT THAT IT WOULD BE UNLIKELY FOR
CONTAMINANTS TO MIGRATE ELSEWHERE.

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

IEPA - LAND FILES



Executive Summary

The Aurora Municipal Landfill, also known as the Fox Valley Disposal Company, is a closed and covered landfill which operated from approximately 1939 until 1977.

The site is located adjacent to Illinois Route 25 and Sullivan Road north of Aurora. The site occupies approximately 20 acres in the SE $\frac{1}{4}$, NW $\frac{1}{4}$ of Section 10, Township 38 North - Range 8 East in Kane County, Illinois.

The landfill received mostly general refuse and household chemical wastes. Construction and industrial wastes were also accepted in large quantities throughout the life of the landfill. Operations at the site included burning of refuse in a Tee-Pee type incinerator, open burning at various spots on the site, open dumping with no daily cover application, dumping in ponded water, and trenching of drainage ditches to get rid of the ponded water which would run off to a no name creek and then to the Fox River. These activities were noted during numerous inspections conducted from January 1966 through 1976.

Contamination of a number of private water wells immediately west of the landfill was first reported in January 1966. Prior to this time there were no complaints. At the beginning of March 1966 a colored dye was placed in ponded, contaminated water on site which then showed up in residential wells to the west 15 days later. No contamination was found in any other direction. Two test wells drilled between the site and the contaminated wells indicated gross contamination of the well inline with one of the residential wells.

At the end of March 1966, a law suit was filed against the disposal company by the families affected by the landfill. The insurance company for Fox Valley Disposal Company indicated that it would take the responsibility for all costs and damages. On December 2, 1966, Fox Valley Disposal was ordered to pay \$88,000 to the persons affected by contamination from the landfill. Most of the money was to assist in paying for a water main extension from Aurora.

Remedial activities concerning cleanup of groundwater are unknown at this time. It is, however, known that the site was cleaned up as far as covering refuse and eliminating ponding problems. Leachate seeps were still a concern up to the time when the landfill was closed and covered in December of 1976, however, none had been noted since December 1975. Based on this information, a medium priority is suggested.

KC:kh/d-1

cc: Division File
Maywood Region

Aurora/Fox Valley Disposal
08900501RE: Technology involved in bring site
into compliance.

Date: 11-21-75

GENERAL BACKGROUND

The subject site consists of approximately 20.3 Acres. It is bordered on the north by a quarry, on the south by Sullivan Road, on the east by a small wire fence, and on the west by Illinois Route #25. A small tributary of the Fox River also borders a portion of the site on the north. (See attached map).

The City of Aurora owns the site, and the Fox Valley Disposal Company leased the property for the operation of a solid waste disposal facility.

The slopes of the site are in need of additional final cover material, while the top portion of the site has apparently received final cover which is in excess of two feet. In addition to the main solid waste disposal site, Fox Valley Disposal Company also deposited refuse in a small area located at the eastern edge of the site. A portion of this area is also in need of additional cover material.

TECHNOLOGICAL CONSIDERATIONS AND COVER REQUIREMENTS

As previously stated, the top portion of the main disposal site has received cover material in excess of the minimum two foot requirement. In fact, the south and southwest portion of this area has cover material in excess of four feet. Since this top portion of the site has received excess material, a portion of it could be used in covering other areas. The covered area consists of approximately 180,000 sq. ft. and figuring an overall cover of 3 ft., the area has an excess of cover material totaling approximately 6,600 cu.yds.

The slopes of the site have some cover material on them, in fact, there may be areas which have approximately two feet of final cover. However, the cover material on the slopes consists of a silty sand with gravel and rock. Needless to say this is a rather permeable material and will not hinder additional infiltration of water. The cover material applied to the top of the site has a silty clay loam texture with some mixed-in rocks, but its permeability should be much lower than the material which is presently on the slopes, especially if it receives some compaction. Since our final cover regulations state that the cover material must be suitable (fine grained), I recommend that all of the slopes receive 1 - 2 feet of suitable material in addition to the permeable material which have already been deposited.

While walking on the site, I noticed a methane (contaminated by garbage) odor. The odor was noticeable while walking over the slopes which are covered with the permeable material rather than in the area which had received adequate cover. The presence of the odor in the above mentioned area is further evidence that the material deposited on the slopes is somewhat permeable and is not satisfactory final cover material.

The surface area of the improperly covered slopes is approximately 365,000 sq. ft. Since portions of the slopes have some cover, but with an undesirable material, it is recommended that these areas receive an additional 2 feet of suitable material. Since the surface area of the slopes is 365,000 sq. ft. and the desired minimum thickness is 1.5 ft, the amount of cover material to complete the project is approximately 20,200 cu. yds. As previously stated, the top portion of the site has a cover material excess of approximately 6,600 cu. yds., so if this cover material is used the responsible party must still have a minimum of 13,600 cu. yds of cover material brought to the site.

The small disposal area located on the eastern side of the property is also in need of additional cover material. Leachate is also being generated in this area. The area which is in need of cover material consists of approximately 16,000 sq. ft. and should receive a 2 ft. thickness of cover material. The total volume of cover material needed in this area is approximately 1,200 cu yds.

When the entire site is covered with material that is somewhat impervious, there should be some consideration given to the gases which the landfill generates. Perhaps vents should be installed so that there isn't a large build-up.

312/896-5001
33 South Stolp Avenue
Aurora, Illinois 60504

Refer to: Kane County - No. 00900501 - Aurora/Fox Valley Disposal

January 3, 1977

Fox Valley Disposal Company
1565 Aurora Avenue
Aurora, Illinois 60506

City of Aurora
44 East Downer
Aurora, Illinois 60506

Gentlemen:

Mr. Paul Steadman, a technical representative of this Agency, inspected your refuse disposal facility located east off Illinois Route 25 in Aurora on December 21, 1976.

The inspection disclosed that you have satisfactorily closed and covered this facility.

Site problems relating to leachate, surface drainage or erosion that may develop in the future should be corrected promptly. Your attention is directed to Rule 318, Chapter 7 of the Illinois Pollution Control Board Rules and Regulations on Solid Waste, which is as follows:

Rule 318: Completion of Closure Requirements

- a. The owner or operator of a sanitary landfill site shall monitor gas, water, and settling at the completed site for a period of three years after the site is completed or closed.
- b. The owner or operator shall take whatever remedial action is necessary to abate any gas, water, or settling problems which appear during the three year period.
- c. The owner or operator shall, upon completion or closure, file a detailed description of the site, including a plat, with the appropriate county land recording authority for the county in which the site is located.